MARKED-UP SPECIFICATION

Claims

~~1. The triterpene fraction of the extract of the pulp of the fruit of Argania spinosa.~~

~~2. The non-saponifiable fraction of the extract of the pulp of the fruit of Argania spinosa.~~

~~3. The extract of the pulp of the fruit of Argania spinosa.~~

~~4. A substance selected from the group consisting of the triterpene fraction according to claim 1, the non-saponifiable fraction according to claim 2, the extract according to claim 3 and a composition comprising~~

~~a) the triterpene fraction according to claim 1 or the non-saponifiable fraction according to claim 2 or the extract according to claim 3 and~~

~~b) auxiliaries and/or additives which are common for pharmaceutical purposes~~

~~for treatment of the human or animal body by therapy or diagnostic methods practised on the human or animal body.~~

~~5. The use of a substance selected from the group consisting of the triterpene fraction according to claim 1, the non-saponifiable fraction according to claim 2, the extract according to claim 3 and a composition comprising~~

~~a) the triterpene fraction according to claim 1 or the non-saponifiable fraction according to claim 2 or the extract according to claim 3 and~~

~~b) auxiliaries and/or additives which are common for pharmaceutical purposes~~

~~for the manufacture of a medicament for the treatment of human skin that has been damaged by UV-A radiation or by UV-B radiation.~~

~~6. A composition comprising~~

~~a) an ingredient selected from the group consisting of the triterpene fraction according to claim 1, the non-saponifiable fraction according to claim 2, the extract according to claim 3,~~

~~lupeol,~~

~~α-amyrine,~~

~~β-amyrine,~~

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~~taraxasterol and~~

~~psi-taraxasterol~~

~~and~~

~~b) auxiliaries and/or additives which are common for cosmetic purposes.~~

~~7. The composition according to claim 6, wherein b) is selected from the group consisting of oily bodies, surfactants, emulsifiers, fats, waxes, pearlescent waxes, bodying agents, thickeners, superfatting agents, stabilizers, polymers, silicone compounds, lecithins, phospholipids, biogenic active ingredients, deodorants, antimicrobial agents, anti-perspirants, film formers, antidandruff agents, swelling agents, insect repellents, hydrotropes, solubilizers, preservatives, perfume oils and dyes.~~

~~8. A process for the production of the extract according to claim 3 comprising~~

- ~~extracting of the pulp of the fruit of Argania spinosa with a solvent selected from the group consisting of hydrocarbons, halogenated hydrocarbons, alcohols with 1 to 6 carbon atoms, esters of carboxylic acids with 1 to 6 carbon atoms and alcohols with 1 to 6 carbon atoms, ketones with 1 to 6 carbon atoms and supercritical fluids to obtain a mixture comprising the extract and the solvent and~~
- ~~removing the solvent from the mixture thus obtained.~~

~~9. The use of the triterpene fraction according to claim 1 or of the non-saponifiable fraction according to claim 2 or of the extract according to claim 3 or of lupeol or of α-amyrine or of β-amyrine or of taraxasterol or of psi-taraxasterol or of the composition according to any of claims 6 to 7 for the production of a cosmetic preparation.~~

~~10. The use of the triterpene fraction according to claim 1 or of the non-saponifiable fraction according to claim 2 or of the extract according to claim 3 or of lupeol or of α-amyrine or of β-amyrine or of taraxasterol or of psi-taraxasterol or of the composition according to any of claims 6 to 7 or of the cosmetic preparation according to claim 9 for the cosmetic treatment of the human body.~~

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New Claims 11-42 (renumbered as Claims 1-21)

1. A composition comprising:

(a) a pulp extract from the fruit of Argania spinosa; and

(b) at least one dermopharmaceutical auxiliary and/or additive.

2. The composition according to Claim 1, wherein the extract comprises a non-saponifiable fraction of the pulp.

3. The composition according to Claim 2, wherein the extract comprises a triterpene-fraction of the pulp.

4. The composition according to Claim 1, wherein the total amount of extract present in the composition is 0.01-25% by weight, based on dry weight.

5. The composition according to Claim 1, wherein the total amount of extract present in the composition is 0.03-5% by weight, based on dry weight.

6. The composition according to Claim 1, wherein the total amount of extract present in the composition is 0.03-0.6% by weight, based on dry weight, wherein the quantitative amounts add up to 100% by weight of water and optionally added auxiliaries and additives.

7. The composition according to Claim 4, wherein the total amount of auxiliaries and additives is 1-50% by weight.

8. The composition according to Claim 1, incorporated into a medicament for the treatment of skin damaged by UV-A and/or UV-B radiation.

9. A composition comprising:

(a) a component selected from the group consisting of: the pulp of the fruit of Argania spinosa, the non-saponifiable-fraction thereof, the triterpene-fraction thereof, lupeol, α-amyrine, β-amyrine, taraxasterol, and psi-taraxasterol; and,

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(b) at least one cosmetic auxiliary and/or additive.

10. The composition according to Claim 9, wherein (b) is selected from the group consisting of oily bodies, surfactants, emulsifiers, fats, waxes, pearlescent waxes, bodying agents, thickeners, superfatting agents, stabilizers, polymers, silicone compounds, lecithins, phospholipids, biogenic active ingredients, deodorants, antimicrobial agents, antiperspirants, film formers, antidandruff agents, swelling agents, insect repellents, hydrotropes, solubilizers, preservatives, perfume oils and dyes.

11. The composition according to Claim 10, wherein the total amount of extract present in the composition is 0.01-25% by weight, based on dry weight.

12. A process for producing an extract from the fruit of Argania spinosa, comprising the steps of:

extracting the pulp from the fruit of Argania spinosa with a solvent selected from the group consisting of: a hydrocarbon; a halogenated hydrocarbon; a C_{1-6} alcohol; an ester of a C_{1-6} carboxylic acid and a C_{1-6} alcohol; a C_{1-6} ketone: and a supercritical fluid to obtain a mixture comprising an extract and a solvent; and

removing the solvent from the mixture.

13. The process according to Claim 12, further comprising the steps of:

saponifying the extract;

separating the saponified extract substances from the non-saponifiable extract; and

fractionating from the non-saponifiable extract the triterpene fraction which consists of lupeol, alpha-amyrine, beta-amyrine, taraxasterol and psi-taraxasterol.

14. The process according to Claim 12, wherein the solvent is removed by drying.

15. The process according to Claim 12, wherein the solvent is removed by distilling.

16. The process according to Claim 12, wherein the hydrocarbon is hexane.

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17. The process according to Claim 12, wherein the hydrocarbon is heptane.

18. The process according to Claim 12, wherein the ester is ethyl acetate.

19. The process according to Claim 12, wherein the ketone is acetone.

20. The process according to Claim 12, wherein the supercritical fluid is carbon dioxide.

21. A triterpene fraction of an extract of the pulp of the fruit of Argania spinosa, comprising lupeol, α-amyrine, β-amyrine, taraxasterol, and psi-taraxasterol.

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Abstract

~~The present invention is concerned with the extract of the pulp of the fruit of Argania spinosa. It is furthermore concerned with the use of this extract for the manufacture of a medicament and with the use of this extract for the production of a cosmetic preparation and with the use of this extract for the cosmetic treatment of the human body.~~

A composition which includes a pulp extract from the fruit of Argania spinosa and at least one dermopharmaceutical or cosmetic auxiliary and/or additive is provided. A process for producing an extract from the fruit of Argania spinosa, and a triterpene fraction of an extract of the pulp of the fruit of Argania spinosa including lupeol, α-amyrine, β-amyrine, taraxasterol, and psi-taraxasterol are also provided.